

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : MATSUSHITA ELECTRIC WORKS LTD

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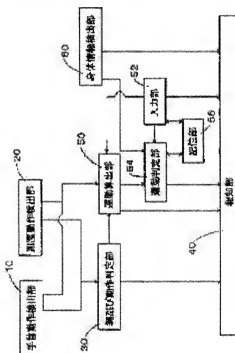
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KAWAI KOZO

(54) ROPE SKIPPING EXERCISE DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a rope skipping exercise device capable of making a user exercise with a feeling close to actual rope skipping exercise without using a rope.

SOLUTION: The operation of the wrist at the time of the rope skipping exercise operation of the user is detected by a wrist operation detection part and a jumping operation at the time of the rope skipping exercise operation of the user is detected by a jumping operation detection part. The rope skipping exercise operation of the user is judged by a rope skipping operation judgment part based on information detected by the wrist operation detection part and the jumping operation detection part. A judged result is reported to the exercising user through vision, hearing and touch such as light, sound, voice, character information, video images and stimulation to a human body by a reporting part.



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CLAIMS

[Claim(s)]

[Claim 1]A skipping-rope kinematic device comprising:

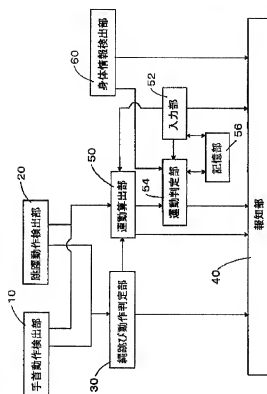
A wrist motion primary detecting element which detects operation of a wrist at the time of a user's skipping-rope movement operation.

A saltation motion detector which detects saltation operation at the time of said user's skipping-rope movement operation.

A skipping-rope operation judgment part which judges said user's skipping-rope movement operation based on information provided from said wrist motion primary detecting element and a saltation motion detector.

A reporting part which reports a result of said judgment with light, a sound, a sound, text, an image, and at least one means of a stimulus to a human body.

Drawing selection Representative drawing



[Translation done.]

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(54) 【発明の名称】 縄跳び運動装置

(57) 【要約】

【課題】 縄を使用せずに実際の縄跳び運動に近い感覚で使用者に運動させることができる縄跳び運動装置を提供する。

【解決手段】 使用者の縄跳び運動動作時における手首の動作が手首動作検出部により検出され、使用者の縄跳び運動動作時における跳躍動作が跳躍動作検出部により検出される。手首動作検出部および跳躍動作検出部によって検出された情報に基づいて使用者の縄跳び運動動作が縄跳び動作判定部により判定される。判定結果は、報知部によって、光、音、音声、文字情報、映像および人体への刺激等のように視覚、聴覚、触覚を通じて運動する使用者に報知される。

